

CLAIMS

1. An elastomeric internal filler mix for the bottom zone of a tire comprising a composition of natural rubber or synthetic polyisoprene having a majority of cis-1,4 bonds and a reinforcing filler selected from among:

(i) a white filler of the silica and/or alumina type comprising SiOH and/or AlOH surface functions, which is selected from the group consisting of precipitated or pyrogenic silicas, aluminas, aluminosilicates and carbon blacks modified during or after synthesis having a specific surface area of between 30 and 260 m²/g in an amount of between about 15 phr and 40 phr, and

(ii) a blend of carbon black having a BET specific surface area of between 30 and 160 m²/g₁, and the white filler of in (i), in which the total amount of filler is between about 15 phr and 50 phr and the amount in phr of white filler is greater than or equal to the amount of carbon black in phr minus 5.

2. The elastomeric filler mix of Claim 1 wherein the composition further comprises an additional diene elastomer, wherein the natural rubber or synthetic polyisoprene comprises the majority of elastomer in the composition.

3. The elastomeric filler mix of Claim 2 wherein the additional diene elastomer is selected from the group consisting of a polybutadiene having a majority of C is 1,4 bonds, a butadiene/styrene emulsion or solution copolymer having a majority of trans- 1,4 bonds, a butadiene/isoprene copolymer, and a styrene/butadiene/isoprene terpolymer.

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